

ETHYLENE TRIMERIZATION CATALYST AND ETHYLENE TRIMERIZATION METHOD USING THE SAME

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Abstract of JP2002233764

PROBLEM TO BE SOLVED: To efficiently and highly selectively produce 1-hexene from ethylene.

SOLUTION: The ethylene trimerization catalyst comprises an amine compound and/or amido compound, a chromium complex of the formula (1); ACrB_n (in the formula, (n) denotes an integer of 1-3; A denotes a neutral multidentate ligand having a tripodal structure; Cr is chromium; and B denotes one or more substances selected from the group consisting of hydrogen atom, a halogen atom, a straight or branched chain alkyl group.) and coordinated with the neutral multidentate ligand having the tripodal structure, and an alkylaluminoxane. Alternatively, the catalyst further comprises an alkyl-containing compound. Ethylene trimerization is carried out using the catalyst.

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